

USAF SCIENTIFIC ADVISORY BOARD  
GEOPHYSICS PANEL

2 May 1963

MEMO TO: Elvey, Kellogg, Porter, Villard, Wheelon  
FROM : Chairman, Geophysics Panel, SAB  
SUBJECT: Proposed Recommendation on Magnetosphere Sounding and Free Electron Scatter Communication

One result of the Panel's recent review of Arctic Research is the enclosed proposal by Villard for early SAB action.


My suggestion is that those members of the Panel to which this memo is addressed consider the proposal and any appropriate supporting documentation such as the memo by Eshleman and Peterson, and try to complete action during the forthcoming meeting at NORAD, or as soon thereafter as possible. Villard, who will act as Chairman of the working group for this purpose, should be contacted directly for any further information.

I further suggest the action recommended be worded along the following lines:

Recommendation

The Air Force should give prompt attention to the unique opportunities for exploratory experiments and research at BMEWS stations that have promise of yielding practical and basic information on the upper atmosphere, data on radar clutter fundamental to the design of more sensitive defense radars, and tests of the feasibility of secure, reliable radio communications.

As to SAB action on the recommendation you may ultimately develop, I have in mind sending it promptly to the Military Director, General Ferguson, and to the Chairman, Dr. Stever, in order to expedite consideration by the Air Force.

  
Paul A. Smith  
Chairman, Geophysics Panel

PAS:bl  
2 Encls.  
Ltr from Prof. Villard  
Memo by Eshleman and Peterson